

## 5.5 References

Burkel, E., et al. (1989) SPIE Proc. Vol. **1140**, 426.

Cai, Z., R. J. Dejus, P. D. Hartog, Y. Feng, E. Gluskin, D. Haeffner, P. Ilinski, B. Lai, D. Legnini, E. R. Moog, S. Shastri, E. Trakhtenberg, I. Vasserman, and W. Yun (1996) Rev. Sci. Instrum. **67** (9) CD ROM.

Camley, R. E. (1989) Phys. Rev. B **39**, 12316.

Chumakov, A., J. Metge, A. Q. R. Baron, H. Grunsteudel, H.F. Grunsteudel, R. Ruffer, and T. Ishikawa, et al. (1996a) Nucl. Instr. Meth. A **383**, 642.

Chumakov, A., A.Q. R. Baron, R. Ruffer, H. Grunsteudel, H. F. Grunsteudel, and A. Meyer (1996b) Phys. Rev. Lett. **76**, 4258.

Colella, R. (1998) N-beam program (Purdue University) available from J. Sutter, Argonne National Laboratory, e-mail: sutter@aps.anl.gov.

Decker, G. (1998) Argonne National Laboratory, unpublished information.

Dejus, R. J., B. Lai, L. Moog, E. Gluskin (1994) Undulator A Characteristics and Specifications: Enhanced Capabilities, Argonne National Laboratory Report ANL/APS/TB-17.

Dorner, B., E. Burk, and J. Peisl (1986) Nucl. Instr. Methods A **246**, 450.

Fultz, B., C. C. Ahn, E. E. Alp, W. Sturhahn, T. Toellner (1997) Phys. Rev. Lett **79**, 937.

Gluskin, E., D. Frashon, P. M. Ivanov, J. Maines, E. A. Medvedko, E. Trakhtenberg, L. R. Turner, I. Vasserman, G. I. Erg, Y. A. Evtushenko, N. G. Gavrilov, G. N. Kulipanov, A. S. Medvedko, S. P. Petrov, V. M. Popik, N. A. Vinokurov, A. Friedman, S. Krinsky, G. Rakowsky, and O. Singh (1995) The Elliptical Multipole Wiggler Project, in *Proceedings of the 1995 Particle Accelerator Conference*, Dallas, Texas, 1426-1428.

Hahn, U., H. Schulte-Schrepping, K. Balewski, J. R. Schneider, P. Ilinski, B. Lai, W. Yun, D. Legnini, and E. Gluskin (1997) J. Synchrotron Rad. **4**, 1-5.

Heidenhain GmbH, ROD 800 catalogue (1996), str. 5, D-83301 Traunreut, Deutschland.

Hewlett-Packard Co., HP-5527B catalogue (1996), S. Manhattan Ave., Fullerton, CA 92631, U.S.A.

Igor Pro, WaveMetrics, P.O. Box 2088, Lake Oswego, OR 97035, U.S.A.

Ilinski, P., W. Yun, B. Lai, E. Gluskin, and Z. Cai (1995) Rev. Sci. Instrum. **66**, 1907-1909.

Ilinski, P., R. J. Dejus, E. Gluskin, T. I. Morrison (1996) Some Practical Aspects of Undulator Radiation Properties, Optics for High-Brightness Synchrotron Radiation Beamlines II, SPIE Proc. Vol. **2856**, 16-25.

Ilinski, P., C. T. Venkataraman, J. C. Lang, and G. Srajer (1997) Characterization of the Elliptical Multipole Wiggler at the Advanced Photon Source, Synchrotron Radiation Instrumentation: Tenth U.S. National Conference, ed. E. Fontes (American Institute of Physics) pp. 49-54

Kohzu Seiki Co., Ltd., catalogue (1996), 2-27-37 Mishuku, Setagaya-ku, Tokyo 154, Japan.

Kushnir, V. I., J. P. Quintana, and P. Georgopoulos (1993) Nucl. Instrum. Meth. **A328**, 558.

Lang, J. C., G. Srajer, and R. J. Dejus (1996) Rev. Sci. Instrum. **67**, 62-67.

LePage, J. G., and R. E. Camley (1990) Phys. Rev. Lett. **65**, 1152-1155.

Levine, Z. H., A. R. Kalokin, S. P. Frigo, I. McNulty, and M. Kuhn (1998) Argonne National Laboratory, unpublished information.

Marasinghe, G. K., M. Karabulut, C. S. Ray, D. E. Day, P. G. Allen, J. J. Bucher, D. K. Shuh, Y. Badyal, M . L. Saboungi, M. Grimsditch, S. D. Shastri, and D. R. Haefner (1998) Argonne National Laboratory, unpublished information.

McLaughlin, J. C., S. L. Tagg, J. W. Zwanziger, D. R. Haefner, and S. D. Shastri (1998) Argonne National Laboratory, unpublished information.

Montano, P. A., G. S. Knapp, G. Jennings, E. Gluskin, E. Trakhtenberg, I. B. Vasserman, P. M. Ivanov, D. Frachon, E. R. Moog, L. R. Turner, G. K. Shenoy, M. J. Bedzyk, M. Ramanathan, M. A. Beno, and P. L. Cowan (1995) Rev. Sci. Instrum. **66**, 1839-1841.

Mooney, T. (1990) Program "DuMond" based on linearized Bragg equation as given by T. J. Davis (1990) J. of X-ray Science & Tech. **2**, 180.

Optodyne Inc., catalogue (1996), 1180 Mahalo Place, Compton, CA 90220, U.S.A.

Rogers, C.S., D. M. Mills, W.-K. Lee, P. B. Fernandez, and T. Gruber (1996) Proc. SPIE Vol. **2855**, 170-179.

Schwoerer-Böhning, M., P. Abbamonte, A. Macrander, and V. Kushnir (1997) SPIE Proc. Vol. **3151**, 282.

Schwoerer-Böhning, M., A. Macrander, and D. A. Arms (1998) Phys. Rev. Lett. **80**, 5572-5575.

Seto, M., Y. Yoda, S. Kikuta, X., W. Zhang, M. Ando (1995) Phys. Rev. Lett. **74**, 3828.

Shu D. (1997) Patent applied for, ANL-IN-97-004.

Smither, R. K., A. M. Khounsary, and S. Xu (1997) Proc. SPIE Vol. **3151**, 150-163.

Snigirev, A., V. Kohn, I. Snigireva, and B. Lengeler (1996) Nature **384**, 49.

Sturhahn, W., T. S. Toellner, E. E. Alp, X. W. Zhang, M. Ando, Y. Yoda, S. Kikuta, M.

Seto, C. W. Kimball, and B. Dabrowski (1995) Phys. Rev. Lett. **74**, 3832.

Toellner, T. (1996) Ph.D. Thesis, Northwestern University.

Toellner, T. (1998) Argonne National Laboratory), e-mail: toellner @aps.anl.gov.

Toellner, T., M. Y. Hu, W. Sturhahn, K. Quast, and E. E. Alp (1997) Appl. Phys. Lett. **71**, 2112-2114.

Verbeni, R., F. Sette, M. Krisch, U. Bergman, B. Gorges, C. Halcoussis, K. Martel, C. Masciovecchio, J. F. Ribois, G. Ruocco, and H. Sinn (1996) J. Sync. Rad. **3**, 426.

Wang, C., et al. (1987) Laser & Optronics p. 69.

Wang, J., A. K. Sood, P. V. Satyam, Y. Feng, X.-Z. Wu, Z. Cai, W. Yun, and S. K. Sinha (1998) X-ray Fluorescence Correlation Spectroscopy: A Method for Studying Particle Dynamics in Condensed Matter, Phys. Rev. Lett. **80**, 1110-1113

Yamamoto, S., H. Kawata, H. Kitamura, M. Ando, N. Saki, and N. Shiotani (1989) Phys. Rev. Lett. **62**, 2672.

Zygo Co., ZMI-1000 catalogue (1996), Laurel Brook Road, Middlefield, CN 06455, U.S.A.